

CLAIMS:

What is claimed:

- 5 *See 257*
1. A method for providing device management in a logical volume management system, comprising:
- receiving device information from a device driver for a device; and
- transforming the device into a logical disk based on the device information.
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2. The method of claim 1, wherein the device is transformed into the logical disk by a device manager plug-in module.
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3. The method of claim 1, further comprising:
- transforming the logical disk into a logical partition.
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4. The method of claim 3, wherein the logical disk is transformed into the logical partition by a partition manager plug-in module.
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5. The method of claim 3, further comprising:
- constructing a volume group from the logical partition.
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6. The method of claim 5, wherein the volume group is constructed by a volume group emulator plug-in module.
7. The method of claim 3, further comprising:
- creating a logical volume from the logical partition.

8.The method of claim 7, wherein the logical volume is created by a feature plug-in module.

5 9.The method of claim 7, further comprising:
exporting the logical volume.

10 10.An apparatus for providing device management in a logical volume management system, comprising:
receipt means for receiving device information from a device driver for a device; and
logical disk means for transforming the device into a logical disk based on the device information.

15 11.The apparatus of claim 10, wherein the logical disk means comprises a device manager plug-in module.

20 12.The apparatus of claim 10, further comprising:
logical partition means for transforming the logical disk into a logical partition.

25 13.The apparatus of claim 12, wherein the logical partition means comprises a partition manager plug-in module.

14.The apparatus of claim 12, further comprising:
volume group means for constructing a volume group from the logical partition.

30 15.The apparatus of claim 14, wherein the volume group means comprises a volume group emulator plug-in module.

16. The apparatus of claim 12, further comprising:
logical volume means for creating a logical volume
from the logical partition.

5 17. The apparatus of claim 16, wherein the logical volume
means comprises a feature plug-in module.

18. The apparatus of claim 16, further comprising:
export means for exporting the logical volume.

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19. A computer program product, in a computer readable
medium, for providing device management in a logical
volume management system, comprising:

15 instructions for receiving device information from a
device driver for a device; and
instructions for transforming the device into a
logical disk based on the device information.

20 20. The computer program product of claim 19, wherein the
instructions for transforming the device into a logical
disk comprise a device manager plug-in module.